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| **OBJECTIVES \_\_\_Chapter 5: Section 5.6, The Law of Cosines (Pages 435 – 440).** |
| * **Know that an oblique triangle** is a triangle that does **not** contain a right angle. |
| * Understand **The Triangle Inequality Theorem:** The sum of the lengths of any two sides of a triangle must be greater than the third side. |
| * Use the **Law of Cosines** to solve a right triangle **or** an oblique triangle when given SAS or SSS. |
| cosine law ... |
| * Be able to find the areas of both right and oblique triangles. |
| * Use Area = 0.5(base)(height) for right triangles and oblique triangles when you know the base and the height. |
| * Use The Law of Sines Area Formula for oblique triangles when you know 2 sides and an included angle (SAS). |
| * Use Hero’s (Heron’s) Formula when you know all 3 sides (SSS). |
| * Use the **Law of Sines** when you know AAS, ASA, and SSA (the Ambiguous Case. (Pages 427 – 431) |
| * Law of Sines | |

**MONDAY (4.7.25)**

**Turn in your Saturday, April 5, E-Learning Work: E-Learning work:** Illustrate each of these problems and show your work. Round to the nearest tenth. Pages 441 and 442, #29, 30, 35, 38. **This work is due no later than Thursday, April 10.**

**Discuss this previously assigned work:** Pages 432, 433, #37, 39, 43, 44.

**Class Work/Homework: *Review the Law of Sines*** for a test on Monday, April 14.

You may use one sheet of paper, 8.5 by 11 inches, front and back, when you take this test.

**WEDNESDAY 4.9.25)**

**Discuss the previously assigned work**: **The Law of Sines Test Review**

**Homework: Study for The Law of Sines Test to be taken on Monday April 14.** You may use one sheet of paper, 8.5 by 11 inches, front and back, when you take this test.

**RIDAY (4.11.25) B-Day, No Class**